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PAPER NUMBER

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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/31/2009

EXAMINER
RADKOWSKI, PETER

ART UNIT

2883

DATE MAILED: 12/31/2009

David Dawes 5831 Castleknock Road Dublin, OH 40316

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10659-461
 08/77/2003
 David Daves
 7.106

TITLE OF INVENTION: OPTICALLY COUPLING INTO HIGHLY UNIFORM WAVEGUIDES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	03/31/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	pondence address;	II be and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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David Dawes 5831 Castleknoo Dublin, OH 403		/2009	I he Stat addi tran	eby certify that this	· Feets	of Mailing or Transi s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the da	mission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/650,461 TITLE OF INVENTION	08/27/2003 G: OPTICALLY COUPL	ING INTO HIGHLY UN	David Dawes IFORM WAVEGUIDES				7106
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0		\$1055	03/31/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
RADKOWS	SKI, PETER	2883	385-129000				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.II. Comp	inge of Correspondence "Indication form and. Use of a Customer A TO BE PRINTED ON 7	2. For printing on the p (I) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2-registered patent atto listed, no name will be THE PATENT (print or tyg data will appear on the p of a substitute for filing an (B) RESIDENCE: (CITY	3 registered patent rely, e firm (having as a agent) and the name meys or agents. If n printed. ec) stent. If an assigne assignment.	memb s of up o nam	er a 2	ocument has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🚨 Cor	porati	on or other private gro	up entity Government
4a. The following fee(s) Issue Fee Publication Fee (N Advance Order	vo small entity discount p		b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is atta	ched.	
	s SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no lon				
interest as shown by the	records of the United Sta	ites Patent and Trademark	Office.	ie applicant, a regis	tereu a	ittorney or agent, or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration No			
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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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DATE MAILED: 12/31/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/650,461	08/27/2003	David Dawes	7106			
75	90 12/31/2009		EXAM	IINER		
David Dawes			RADKOWSKI, PETER			
5831 Castleknock l		ART UNIT	PAPER NUMBER			
Dublin, OH 40316			2883			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/650,461 DAWES, DAVID Notice of Allowability Examiner Art Unit PETER RADKOWSKI 2883 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 12/2/2009. The allowed claim(s) is/are 1,3,4,6-14 and 21-25. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date _____
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413),
- Paper No./Mail Date _____.

 7.

 Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other _____.

Application/Control Number: 10/650,461 Page 2

Art Unit: 2883

Detailed Office Action

Comments

Claims 2, 5, and 15-20 were canceled by the applicant.

Response to Applicant's Arguments

2. As applicant argues, prior art reference Keneko et al. (6,088,492; "Kaneko") fails to teach an optical waveguide device having a lens duct "formed integrally" with an amorphous slab waveguide. Remarks, p. 4, ll. 11-19. This argument is persuasive in light of applicant's amendments to independent claims 1 and 21 wherein applicant adds the limitations of "the at least one amorphous film-based slab waveguide including a lens duct formed integrally with the slab waveguide. These limitations facilitate the coupling of light transmitted from a diode laser.

Keneko remains the closest prior art of record in this application. However, in light of the applicant's amendment, claims 1, 3-4, 6-14; and 21-25 are allowable as distinguished over the prior art of record because of the reason stated above. It is this examiner's position that prior art, taken alone, fails to disclose or, taken in combination, fails to render obvious the limitations of the claims discussed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Reasons for Allowance."

Allowable Subject Matter

3. Claims 1, 3-4 and 6-14 are allowed.

Independent claim 1 is allowed because the prior art, taken alone, fails to disclose or, taken in combination, fails to render obvious an optical waveguide device comprising: at least one laser diode; at least one amorphous film-based slab waveguide; wherein the at least one amorphous film-based slab waveguide includes a lens duct formed integrally with the slab waveguide; in combination with the other recited limitations in the claim.

Claims 3-4 and 6-14 are allowable as dependent upon claim 1.

4. Claims 21-25 are allowed.

Independent claim 21 is allowed because the prior art, taken alone, fails to disclose or, taken in combination, fails to render obvious an optical waveguide device comprising: at least one laser diode; at least one amorphous film-based, biased pulsed DC plasma vapor-deposited slab waveguide; wherein the at least one amorphous film-based slab waveguide includes a lens duct formed integrally with the slab waveguide; in combination with the other recited limitations in the claim.

Claims 22-25 are allowable as dependent upon claim 21.

Conclusion

The prior art made of record in Form 892 and not relied upon is considered pertinent to applicant's disclosure. Application/Control Number: 10/650,461

Art Unit: 2883

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Radkowski whose telephone number is (571) 270-1613. The examiner can normally be reached on Monday - Thursday, 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font, can be reached on (517) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, See http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call (800) 786-9199 (IN USA OR CANADA) or (571) 272-1000.

/Peter P. Radkowski/ Patent Examiner, Art Unit 2883 /Frank G Font/ Supervisory Patent Examiner, Art Unit 2883